

## LWAK, PCDD/PCDF

|    | 1         | 2       | 3                    | 4        | 5                          | 6                                 | 8              | 9      | 10     | 13         | 15        | 16       | 17          | 18         | 19    |
|----|-----------|---------|----------------------|----------|----------------------------|-----------------------------------|----------------|--------|--------|------------|-----------|----------|-------------|------------|-------|
| 2  | Source ID | Cond ID | Facility Information |          | Combustor Information      |                                   | APCS           | Dry    | Waste  | Hazardous  | Munitions | Chemical | Mixed       | Comm       | Gov't |
| 3  | Number    | Number  | Facility Name        | City     | Combustor                  | Combustor                         | Detailed       | vs Wet | Heat   | Wastes     | Popping   | Weapons  | Radioactive | vs On-site |       |
| 4  |           |         |                      |          | Category                   | Class                             | Acronym        | APCS   | Boiler |            | Furnace   | Demil    | Waste       |            |       |
| 5  |           |         |                      |          |                            |                                   |                |        |        |            |           |          |             |            |       |
| 6  | 307       | 307C14  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 7  | 307       | 307C15  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 8  | 307       | 307C13  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 9  | 307       | 307C12  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 10 | 307       | 307C11  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 11 | 307       | 307C10  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 12 | 311       | 311C12  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 13 | 311       | 311C11  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 14 | 312       | 312C12  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 15 | 312       | 312C11  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 16 | 313       | 313C10  | Solite Corp          | Arvonnia | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | WQ/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 17 | 314       | 314C10  | Solite Corp          | Arvonnia | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | WQ/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 18 | 314       | 314C2   | Solite Corp          | Arvonnia | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | WQ/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 19 | 336       | 336C11  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 20 | 336       | 336C10  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 21 | 336       | 336C2   | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 22 | 336       | 336C1   | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 23 | 474       | 474C12  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 24 | 474       | 474C11  | Solite Corp          | Cascade  | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | QS/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 25 | 476       | 476C10  | Solite Corp          | Arvonnia | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | WQ/FF          | Dry    | No     | Liq        | No        | No       | No          | Comm       | No    |
| 26 | 479       | 307C14  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 27 | 479       | 307C15  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 28 | 479       | 307C13  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 29 | 479       | 307C12  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 30 | 479       | 307C11  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |
| 31 | 479       | 307C10  | Norlite Corp.        | Cohoes   | Lightweight aggregate kiln | Lightweight Aggregate Kiln (LWAK) | HE/MC/FF/VS/ME | Dry    | Yes    | Liq, solid | No        | No       | No          | Comm       | No    |

## LWAK, PCDD/PCDF

|    | 2       | 20                    | 21   | 28   | 30       | 31           | 32  | 33 | 34                                   | 35 | 36     | 37 | 38     | 57       | 58     |
|----|---------|-----------------------|--|------|----------|--------------|---|----|--------------------------------------|----|--------|----|--------|----------|--------|
| 2  | Cond ID | Condition Information |  |      | Dry      | DF Emissions |   |    | DF Stack Gas Emissions (ng TEQ/dscm) |    |        |    |        |          |        |
| 3  | Number  | Cond                  | Cond Description   | APCD | Campaign | Rating       | Rating Comments   | R1 |                                      | R2 |        | R3 |        | Cond Avg |        |
| 4  |         | Dates                 |  | Temp | Number   |              |   | ND | Emiss                                | ND | Emiss  | ND | Emiss  | ND       | Emiss  |
| 5  |         |                       |  |      |          |              |   |    |                                      |    |        |    |        |          |        |
| 6  | 307C14  | 7/1/2001              | Risk Burn, metal feeds equiv. to June '01 permit           | 399  |          | 1 N          |   | 1  | 0.028                                | 4  | 0.022  | 10 | 0.023  | 5        | 0.024  |
| 7  | 307C15  | 7/1/2001              | Risk Burn, lower FF temp                                   | 375  |          | 1 N          |   | 9  | 0.035                                | 1  | 0.098  | 1  | 0.123  | 2        | 0.085  |
| 8  | 307C13  | 7/1/2001              | Risk Burn, metal feeds equiv. to Jan '97 permit            | 400  |          | 1 N          |   | 0  | 0.544                                | 1  | 0.126  | 1  | 0.194  | 0        | 0.288  |
| 9  | 307C12  | 5/1/2000              | Risk Burn, elevated waste feed rates, maximum temperatu    | 400  |          | 2 NA         | Not evaluated: report indicated metals spiking interferer | 0  | 1.326                                | 0  | 4.561  | 0  | 2.409  | 0        | 2.766  |
| 10 | 307C11  | 4/1/1999              | Trial Burn, elevated operating temperature, metals spiking | 441  |          | 3 CT         | Copper spiked to maximize potential for D/F formation.    | 0  | 43.455                               | 0  | 69.130 | 0  | 61.237 | 0        | 57.941 |
| 11 | 307C10  | 4/1/1999              | Trial Burn, Minimum operating temperature                  | 425  |          | 3 N          |   | 5  | 0.092                                | 1  | 0.323  | 1  | 0.460  | 1        | 0.291  |
| 12 | 311C12  | 5/1/2000              | Trial Burn, D/F Retest                                     | 352  |          | 1 NA         | NE- Research testing, D/F retest at lower FF temperatur   | 0  | 4.588                                | 0  | 4.364  | 0  | 9.467  | 0        | 6.140  |
| 13 | 311C11  | 11/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 447  |          | 2 CT         |   | 0  | 36.508                               | 0  | 27.141 | 0  | 5.479  | 0        | 23.043 |
| 14 | 312C12  | 5/1/2000              | Trial Burn, D/F Retest                                     | 370  |          | 1 NA         | NE- Research testing                                      | 0  | 0.476                                | 0  | 0.529  | 0  | 0.562  | 0        | 0.523  |
| 15 | 312C11  | 11/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 440  |          | 2 CT         |   | 0  | 8.377                                | 0  | 12.999 | 0  | 15.536 | 0        | 12.304 |
| 16 | 313C10  | 12/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 442  |          | 1 CT         |   | 0  | 3.396                                | 0  | 2.015  | 0  | 2.560  | 0        | 2.657  |
| 17 | 314C10  | 12/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 445  |          | 1 CT         |   | 0  | 0.991                                | 0  | 1.157  | 0  | 1.767  | 0        | 1.305  |
| 18 | 314C2   | 12/1/1996             | PCDD/PCDF EMISSIONS TESTING                                | 417  |          | 2 NA         | NE- Research testing                                      | 49 | 0.178                                | 2  | 0.308  | 0  | 0.341  | 11       | 0.276  |
| 19 | 336C11  | 5/1/2000              | Trial Burn, D/F and DRE Retest                             | 361  |          | 1 NA         | NE- Research testing                                      | 0  | 1.107                                | 0  | 0.557  | 0  | 4.622  | 0        | 2.095  |
| 20 | 336C10  | 11/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 444  |          | 2 CT         |   | 0  | 4.769                                | 0  | 11.858 | 0  | 25.904 | 0        | 14.177 |
| 21 | 336C2   | 10/1/1993             | DRE / dioxin testing, MAX CL FEED, low COMB TEMP           | 400  |          | 3 NA         | NE- Research testing                                      | 33 | 0.036                                |    |        |    |        | 33       | 0.036  |
| 22 | 336C1   | 10/1/1993             | DRE / dioxin testing, MAX CL FEED, HIGH COMB TEMP          | 400  |          | 3 NA         | NE- Research testing                                      | 0  | 0.047                                | 19 | 0.035  |    |        | 8        | 0.041  |
| 23 | 474C12  | 5/1/2000              | Trial Burn, D/F Retest                                     | 353  |          | 1 NA         | NE- Research testing                                      | 0  | 0.121                                | 0  | 0.156  | 0  | 0.225  | 0        | 0.168  |
| 24 | 474C11  | 11/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 437  |          | 2 CT         |   | 0  | 19.983                               | 0  | 22.846 | 0  | 19.020 | 0        | 20.617 |
| 25 | 476C10  | 12/1/1999             | Trial Burn, organics DRE, HCl/Cl2 emissions limits         | 439  |          | 1 CT         |   | 0  | 0.916                                | 0  | 0.989  | 0  | 0.854  | 0        | 0.919  |
| 26 | 307C14  | 7/1/2001              | Risk Burn, metal feeds equiv. to June '01 permit           | 399  |          | 1 NA         | Data from sister kiln 307                                 | 1  | 0.028                                | 4  | 0.022  | 10 | 0.023  | 5        | 0.024  |
| 27 | 307C15  | 7/1/2001              | Risk Burn, lower FF temp                                   | 375  |          | 1 NA         | Data from sister kiln 307                                 | 9  | 0.035                                | 1  | 0.098  | 1  | 0.123  | 2        | 0.085  |
| 28 | 307C13  | 7/1/2001              | Risk Burn, metal feeds equiv. to Jan '97 permit            | 400  |          | 1 NA         | Data from sister kiln 307                                 | 0  | 0.544                                | 1  | 0.126  | 1  | 0.194  | 0        | 0.288  |
| 29 | 307C12  | 5/1/2000              | Risk Burn, elevated waste feed rates, maximum temperatu    | 400  |          | 2 NA         | Data from sister kiln 307; Not evaluated: report indicat  | 0  | 1.326                                | 0  | 4.561  | 0  | 2.409  | 0        | 2.766  |
| 30 | 307C11  | 4/1/1999              | Trial Burn, elevated operating temperature, metals spiking | 441  |          | 3 NA         | Data from sister kiln 307; Copper spiked to maximize po   | 0  | 43.455                               | 0  | 69.130 | 0  | 61.237 | 0        | 57.941 |
| 31 | 307C10  | 4/1/1999              | Trial Burn, Minimum operating temperature                  | 425  |          | 3 NA         | Data from sister kiln 307                                 | 5  | 0.092                                | 1  | 0.323  | 1  | 0.460  | 1        | 0.291  |